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**Status Report**  
**for**  
**Goddard High Resolution Spectrograph**  
**NAG 5-1852**

for the period through December, 1994

Principal Investigator  
Blair D. Savage

University of Wisconsin  
Space Astronomy Laboratory  
1150 University Avenue  
Madison, WI 53706

(NASA-CR-197847) GODDARD HIGH  
RESOLUTION SPECTROGRAPH Status  
Report, Jul. - Dec. 1994  
(Wisconsin Univ.) 3 p

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SPACE ASTRONOMY LABORATORY  
UNIVERSITY OF WISCONSIN  
CHAMBERLIN HALL  
1150 UNIVERSITY AVENUE  
MADISON, WISCONSIN 53706-1390

telephone number (608) 263-4680

December 29, 1994

Andrew Smith  
Technical Officer  
Code 681  
Laboratory for Astronomy & Solar Physics  
Space Science Directorate  
NASA/Goddard Space Flight Center  
Greenbelt, MD 20771

Subject: NAG 5-1852 Goddard High Resolution Spectrograph Technical Report  
July through December, 1994

Dear Dr. Smith:

In the last 6-month period, covered by this report, efforts have concentrated on the analysis of GHRS GTO data. These efforts have resulted in the publications listed below. GHRS team meetings and other meetings, where results of GHRS studies were presented, were attended. Current activities involve further data analysis activities and the planning of GHRS GTO observing during Cycle 5.

A list of new publications based on GHRS data follows:

Savage, B.D. and Sembach, K. S. "Properties of Highly Ionized Disk and Halo Gas Toward Two Distant High Latitude Stars" 1994, ApJ, 434, 145

Savage, B.D. and Sembach, K.S. "Gas Kinematics and Ionization Along the Extended Sight Line to HD116852" 1994, ApJ, 431, 201

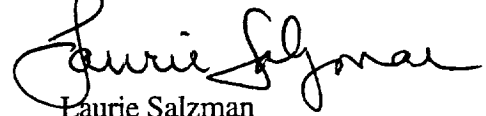
Savage, B.D., Lu, L., and Sembach, K.S. 1994, "Probing the Galactic Disk and Halo: The Galactic and Extragalactic Sight line to H1821+643" 1994, ApJ, (in press).

Savage, B.D. "The Galactic Corona" 1995, invited review talk in Physics of the Interstellar and Intergalactic Medium, eds. A.Ferrara, C. Heiles, C. McKee and P. Shapiro (San Francisco:ASP Conference Series), (in press).

Heap, S.R. and 28 co-authors ( including Savage, B.D.) " The Goddard High Resolution Spectrograph: In Orbit Performance" 1995, AJ ( in press)

Cardelli, J. A., Sembach, K. R., and Savage, B.D. 1995, "Gas Phase Abundances and Conditions Along the Sight Line to HD 167756" 1995, ApJ, ( in press).

Sincerely,

A handwritten signature in cursive script, appearing to read "Laurie Salzman".

Laurie Salzman  
SAL Grants Specialist

cc: NASA Center for Aerospace Information (2)  
Gloria Blanchard (1)